

Mission Shikshan Samvaad

● **Divide equally:**

☆ **Concepts of division.**

☆ **Worksheets.**

● **For class - 3,4 and 5.**



Presented by:

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Primary school Chauradev Block- Punwarka, Distt- Saharanpur

Class-3

Sub-Maths

Topic- Divide Equally

☆ Divide 8 bananas among 4 people equally.

Sol- Total number of bananas = 8



Number of people = 4



Number of bananas each person get:-



each person gets 2 bananas.

$$8 \div 4 = 2$$

☆ Divide 20 toffees in to 4 equal parts.

Sol- Total number of toffees = 20



On dividing in to 4 equal parts-



each part contains 5 toffees.

$$20 \div 4 = 5$$



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Sub-Maths

Topic- Divide Equally

☆ Divide 20 Chapattis equally among 5 people.

$$\begin{array}{r} 4 \\ 5 \overline{) 20} \\ - 20 \\ \hline 00 \\ \hline \end{array}$$



Ans = 4 chapaattis.

☆ Divide 32 apples equally among 8 children.

$$\begin{array}{r} 4 \\ 8 \overline{) 32} \\ - 32 \\ \hline 00 \\ \hline \end{array}$$



Ans = 4 apples.



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☆ Note:

- a) The number to be divided is called dividend.
- b) The number which divides the number is called divisor.
- c) The number left after division is called remainder.

☆ Divide 7 toy cars equally among 3 children.

Sol: Here we have to divide 7 toy cars



equally among 3 children



We have to divide = $7 \div 3$

$$\begin{array}{r} 2 \\ 3 \overline{) 7} \\ - 6 \\ \hline 1 \\ \hline \end{array}$$



Ans: Each child get 2 cars and 1 is remaining.



so here Dividend = 7, Divisor = 3, Quotient = 2
and Remainder = 1.

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☆ Divide and solve:

$$\begin{array}{r} 95 \div 4 = \quad 23 \\ 4 \overline{) 95} \\ \underline{- 8} \\ 15 \\ \underline{- 12} \\ 03 \\ \underline{ 0} \end{array}$$



Ans: Quotient = 23 and Remainder = 3

● Do yourself:

- a) $64 \div 8$ b) $45 \div 5$ c) $16 \div 4$
d) $27 \div 3$ e) $42 \div 6$ f) $48 \div 8$
g) $55 \div 5$ h) $36 \div 3$ i) $25 \div 5$



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● Division from 0 and 1.

☆ Note:

a) If we divide any number by 1 the result will be that number itself.

For example: $7 \div 1 = 7$

b) If we divide any number with that number itself then the result will be 1.

For example: $9 \div 9 = 1$

c) If we divide 0 by any number then the result will be 0.

For example: $0 \div 4 = 0$

d) If we divide any number by 0 then the result will be undefined.

For example: $6 \div 0 = \text{undefined}$.

☆ Do yourself-

a) $5 \div 1 = \square$

b) $8 \div 1 = \square$

c) $6 \div 6 = \square$

d) $4 \div 4 = \square$

e) $0 \div 3 = \square$

f) $0 \div 9 = \square$

g) $8 \div 0 = \square$

h) $9 \div 0 = \square$



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☆ Division by 10-

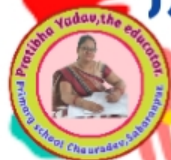
On dividing any number by 10, hundreds converts into tens, tens converts in to ones and ones are left in the form of remainder.

For example:

- a) $20 \div 10 = Q = 2$ and $R = 0$
- b) $350 \div 10 = Q = 35$ and $R = 0$
- c) $538 \div 10 = Q = 53$ and $R = 8$
- d) $127 \div 10 = Q = 12$ and $R = 7$

☆ Now do it yourself:

- a) $580 \div 10 = Q = \square$ and $R = \square$
- b) $738 \div 10 = Q = \square$ and $R = \square$
- c) $430 \div 10 = Q = \square$ and $R = \square$
- d) $328 \div 10 = Q = \square$ and $R = \square$
- e) $822 \div 10 = Q = \square$ and $R = \square$
- f) $460 \div 10 = Q = \square$ and $R = \square$
- g) $125 \div 10 = Q = \square$ and $R = \square$
- h) $382 \div 10 = Q = \square$ and $R = \square$
- i) $555 \div 10 = Q = \square$ and $R = \square$
- j) $660 \div 10 = Q = \square$ and $R = \square$



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Sub-Maths

Topic- Divide Equally

☆ Word problems:

Q.1- 54 litres of milk has to be equally distributed among 9 persons. How many litres of milk will each one get?

Sol:- Total milk = 54 litres

Number of persons = 9 persons

Amount of milk each person get=

$$54 \div 9 = \quad 6$$

9	54
-	54
	00

Ans: Each person get 6 litres of milk.

Q.2- A container contains 18 kilograms ghee. How many containers of 3 kilograms can be filled from it?

Sol:- Container contains ghee = 18 Kg

Capacity of one container = 3 Kg

Number of containers filled by ghee =

$$18 \div 3 = \quad 6$$

3	18
-	18
	00

Ans: Number of containers filled = 6



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Sub-Maths

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☆ Word problems:

Q.1- Sameer weaves 48 metres of cloth in 6 days. He weaves same length of cloth every day. How many metres of cloth does he weave in a day?

Sol:- Total length of cloth = 48 metres.

Number of days, Sameer weaves the cloth = 6 days

Length of cloth Sameer weaves everyday = $48 \div 6$

$$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ \underline{- 48} \\ 00 \end{array}$$



Ans = Sameer weaves 8 metres of cloth everyday.

Q.2- 40 legs of cots are visible to Ramai. How many cots are there in all?

Sol:- Total number of legs of cots = 40 legs

Number of legs in each cot = 4 legs

Total number of cots = $40 \div 4$

$$\begin{array}{r} 10 \\ 4 \overline{) 40} \\ \underline{- 40} \\ 00 \end{array}$$



Ans = Total number of cots = 10 cots.

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☆ Word problems:

Q.1- A boat can carry 6 persons at a time across the river. How many times will it carry 136 persons across the river. How many people will be carried in the last run?

Sol:- Total number of persons = 136 persons

Boat carry persons at a time = 6 persons

Number of times the boat carry all the 136 persons =

$136 \div 6 =$

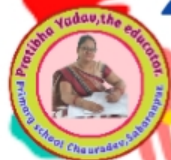
$$\begin{array}{r} 22 \\ 6 \overline{) 136} \\ \underline{- 12} \\ 016 \\ \underline{- 12} \\ 04 \end{array}$$



Ans- Quotient = 22, Remainder = 04

Boat carry 6 persons each in 22 times and in the last run it carry 4 persons, so total number of runs are 23.

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☆ Word problems:

Q.1- We get 12 pencils for ₹ 12. What will be the cost of one pencil?

Sol: Cost of 12 pencils = ₹ 12

Cost of one pencil = $12 \div 12 = 1$

Ans = Cost of one pencil is ₹ 1 each.



Q.2- Pushpa plucked 72 flowers from the garden. She made garlands having 6 flowers in each. How many garlands will be made?

Sol: Number of flowers plucked by Pushpa = 72 flowers

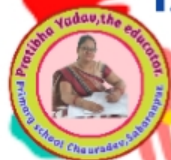
Number of flowers in each garland = 6 flowers

Number of garlands made = $72 \div 6$

$$\begin{array}{r} 12 \\ 6 \overline{) 72} \\ \underline{- 6} \\ 12 \\ \underline{- 12} \\ 00 \end{array}$$



Ans = Number of garlands made by Pushpa are 12.



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Topic- How much have you learnt?

☆ Fill in the blanks:

a) $55 \div 5 = \square$

b) $36 \div \square = 12$

c) $100 \times \square = 500$

d) $\square \times 7 = 7$



☆ Put the correct sign (+, -, ×, ÷) in the blanks:

a) $5 \text{ ____ } 3 = 15$

b) $18 \text{ ____ } 4 = 22$

c) $16 \text{ ____ } 9 = 7$

d) $25 \text{ ____ } 5 = 5$

